MULTIMEDIA UNIVERSITY®

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2021 / 2022

DCA5114 – COMPUTER TECHNOLOGY AND APPLICATIONS

(All sections / Group)

3rd OCTOBER 2022
2.30p.m. –4.30p.m.
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 2 pages (excluding cover page) with 4 Questions only.

2. Attempt **ALL** questions in Section A and only one(1) question in Section B . The distribution of the marks for each question is given.

3. Write your answers in the Answer Booklet.

SECTION A.

Instructions: Answer **ALL** questions. Write your answers in the Answer Booklet.

QUESTION 1 [30 Marks]

a. Networking consists of many types of connection. Discuss the terms 'Internet' and 'Intranet 'in detail with relevant examples. (8 marks)

b. Computers have become essential business tools. Explain **three (3)** advantages and **three (3)** disadvantages of using computer in an organization for business operations. (12 marks)

c. It is important to understand the types of networks and its functions in order to set up a proper network connection. Clarify the functions of WAN and list **two (2)** advantages and **two (2)** disadvantages of a WAN network. (10 marks)

QUESTION 2 [30 Marks]

a. Discuss **three (3)** positive impacts of computers on today`s society. (6 marks)

b. Spyware and adware are computer programs that are designed to track all computer activities. Discuss these programs and how to protect computers from such threats. (10 marks)

c. Personal computers are complete computers users. Describe three (3) features of a Microcomputer in detail. (6 marks)

d. Distinguish the difference between a personal computer and a supercomputer. (8 marks)

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SECTION B.

Instructions: Answer 1 question ONLY. Write your answers in the Answer Booklet.

QUESTION 1 [40 Marks]

a. Explain briefly all the **five (5)** Network Topologies with diagram and state **two (2)** advantages and **two (2)** disadvantages. (40 marks)

QUESTION 2 [40 Marks]

a. Illustrate a logical diagram of a computer system. Explain all the components and the role of each computer components. (20 marks)

b. With advances in modern technology, it is now possible for office employees to work from home. Give **four (4)** reasons why it is now possible to work from home, linking your explanation to organizational computer system. (20 marks)

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